

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

AATTAGATTCCACTAGTACGCCATTGTAGAATCAAGGCCATTGAGATCTTCAACTGCCATATTCACTGCCATTGAGATCTTCAAAATCTCCCTGCAGAAGCTACTGGCAT 80  
 GTATCCAAAATAAGGACACGGCATATTCACTGCCATTGAGATCTTCAACTGCCATTGAGATCTTCAAAATCTCCCTGCAGAAGCTACTGGCAT 160  
 TGAATGAGTCTTGGCTCAGATTAGATATTCACTGTATCTGGCTAAGATTAGAATAGACTTTGCCTGCTGGTAGCATTAAACGTTCCCTA 240  
 TATTCTATTCAAATCCTTACATTCAAAATGGAAATATGGAAATCTTACTGCTGTGATGGTAGGCCAACCTACACCA 320  
 M E Y L T A V D G R Q D L P P T P  
  
 GCTTCGTTCTAGTCATGGAGGATAGTCCCCTCAATAGCTTACAGGCCAACTCTCCATCTTATGGTCTGGATTTCGAG 400  
 A S F C S H G D S P L N S S Y E Q L F H L Y G L D S S  
 TCGGCATCGAAGCTATAACCATTGACACCCCTTCCAGCTTGACATGACTGCCAAATGCTTGGATAAGCAGTCTGCTA 480  
 R I E A I K P C T P F Q L D M I D C N A L D K Q S A  
  
 TCGGCCATGCCGGTGTATGATGTCCCAACCGACATGACATCTCGTTTGCCTGGAGGATCGTCAACCAA 560  
 I G H A V Y D V P T D I D T S R F A L A W K E I V N Q  
 ACCCCAGCCTTGCGAGGCCATTGCCCTTACCTCGGACTCTGGAAAGACTTCTCAAGTCATCCTAAAGATAGCTTGTCTT 640  
 T P A L R A F T S D S G K T S Q V I L K D S F V F  
 CTCATGGATGTGGCTGGCTCTCGAGCTCCCAAGATGAACTGGTTCGGGATGAAAGCTGGCTGCATCCGGCCAC 720  
 S W M C W S S S P D E V V R D E A A A S G P  
  
 GCTGCCAACCGCTTCTGTTCTACTGTAAAGACATGCCAGAGAAATGTCAGCTGGACCTTCAGTCATGCCATTGGTA 800  
 R C N R F V L L E D M Q T K K C Q L V W T F S H A L V  
 GACGTCACCTTCCAACAAACGGCTCTGAGCCGTTTCCGGCTTACAAGCATGAGAAGGACACACATCGGCCCTGAGAC 880  
 D V T F Q Q R V L S R V F A A Y K H E K D T H R P E T  
 ACCCGAGTCATCTGATGCCACTGACACTGACTCTCAGTCAGTCTCCGGCTGGCTGGAGGACAATGCCGTAT 960  
 P E S S D A T D S Q S V S V S M S C E D N A V  
 CGGGCACTCATTTCTGGCAAACCTCACCTTAACGATCTCAATGCCATTCCCGTCTCACCTGCTGACCAACCTGATGGTG 1040  
 S A T H F W Q T H L N D L N A S V F P H L S D H L M V  
 CCCAACCAACTACAAACAGCAGGCCATCGTATCACATTCCCTCTTACAGGAAAGCAGTATCCAATTCTGCCATCTGCC 1120  
 P N P T T A E H R I T F P L S Q K A L S N S A I C R  
 TACTGCACTCTCAAAATACTCCCTCGCGCTACACTCACTGACGGGGCCTGTTGGTAGGGTAACTGAGCAATCTCTAC 1200  
 T A L S I L S R Y T H S D E A L F G A V T E Q S L  
 CATTGACAAACACTATCTTGCAGATGGTACGTACCTGCCAAATCTTCGTCG 1280  
 P F D K H Y L A D G T Y Q T V A P L R V H C Q S N L R

Fig. 1A

## DIRECT EVIDENCE

LOVED BY	O.G. FIG.
TSMAN	CLASS SUBCLASS

GCATCAGATGTCATGGATGCAAATCTTACCATGATCGCCTTGGTCATCTGGCCTTCGGCCATTTCGGCCTTCGGCACATCCG 1360  
 A S D V M D A I S S Y D D R L G H L A P F G L R D I R  
 CAAACTGGTATAATGGCTCTGGCTTCAAACTGTGTTACTCGTCACCGATGGCAGGCCACGTAACAATG 1440  
 N T G D N G S A A C D F Q T V L L V T D G S H V N N  
 GTATCAACGGTTCCCTAACAGATAACAGAGTCAAGCCATTTCATGCCTTGCAACAAACCGTGCCTCTGCAACTGT 1520  
 G I N G F L Q Q I T E S S H F M P C N N R A L L H C  
 CAGATGGAAAGTAGGGAGCTGCTGGCTACTATGACCACAAATGTTATCGATTTCAGACAACGGCTCTGCT 1600  
 Q M E S S G A L L V A Y D H N V I D S L Q T T R L L  
 ACAGCAGTTGGTCATCTGATCAAGTGTGCAAAGTCCTCTAGACCTGAGCTCTATGGCTGAGGTCAACTTGACTG 1680  
 Q Q F G H L I K C L Q S P L D L S S M A E V N L M T  
 AGTATGACAGAGGAGATTGAGAGTTGAGACTGGAAACTGGCAACCGTTAGAGGGTACAGGATAACCCCTGATCC 1760  
 E Y D R A E I E S W N S Q P L E V Q D T L I H E M L  
 AAAGCTGTTCTCATCCCCAACAAACGGCCATCCAGCGTGGCATGGAGACTGGACCTATTCCAGTCTACTTTGAGAAGT 1840  
 K A V S H S P T K T A I Q A W D G D W T Y S E L D N V  
 TTCGTCAGGACTCGGTGTCATATCAAGTCACTTGGCCTTAAGTCTGGTAATGCTTTCAACTTAATTGATCCCACCA 1920  
 S S R L A V H I K S L G L R A Q Q A I I P V Y F E K  
 CGAAATGGTCATTGGCTCAATGGCTGTTCTCAAGTCTGGTAATGCTTTCAACTTAATTGATCCCACCA 2000  
 S K W V I A S M L A V L K S G N A F T L I D P N D P P  
 GCTCGAAACTGCCAGGTGCGTACCGCAGACTCGGCAGACTCGGTCAATTGGCCTACTGTAGGGACTTCAAGCTACACCGCAGACTGTACAGAA 2080  
 A R T A Q V V T Q T R A T V A L T S K L H R E T V Q K  
 GCTTGTAAGGCCGTTGGCTGATGACGAGCTTCTGCAATCAAGTCTGGCAGCGACGATTCTCAAGTCTGACCA 2160  
 L V G R C V V D D E L L Q S V S A S D D F S S L T  
 AATGCCAAGACTGGCCTACGTGATCTTCAACTCTGGTAGGCACGGGACCCGAAAGGCATCATGATTGAACACCGGAGCG 2240  
 K S Q D L A Y V I F T S G S T G D P K G I M I E H R A  
 TTCTCATCATGGCACTCAAGTTCGGCGTCTTGGCATCAACTCTGATACTCGTGGCCTACAATTGGAACCCATGCC 2320  
 F S S C A L K F G A S L G I N S D T R A L Q F G T H A  
 CTTTGGCGATGGTCTCGAGATTATGACTACTCTCATCAACGGGGCTGGCTGGTTGTATTCCGACGATGATCGTA 2400  
 F G A C L E I M T T L I N G G C V C I P S D D R  
 TGAACAGTATCCCGTCTTCATCAACCGATAACGTTAACGGACACCTTCGTTACATGGAAACCTTTCA 2480  
 M N S I P S F I N R Y N V N W M M A T P S Y M G T F S

Fig. 1B

PROVED BY FTSMAN	O.G. FIG.
	CLASS SUBCLASS

CCTGAAAGACGTTCCCTGGCACATTGGTACTTGGTCAACGGAGATGGTCATCTTCAGTCACGCAAATCTGGCCCC 2560  
 P E D V P G L A T L V L V G E Q M S S S V N A I W A P  
 CAAGCTCCAACCTCTGAACGGGTACGGACAGAGTGAAAGGTCCATTGCTCATGGTCATTGACCGAACGATAATGTCACGCCCCA 2640  
 K L Q L L N G Y G Q S E S S I C F A S N M S T E P  
 ACAACATGGGAGAGCAGTCGGAGCTCATGGTCATTGACCGAACGATAACGGACTAGTTCCGATGGAGCT 2720  
 N N M G R A V G A H S W V I D P N D I N R L V P I G A  
 GTGGGAGAACTGGTCAATTGAGAGTCCAGGCATTGGTCAACATTGGTCAAGGGTCAAGGGGATGGGAGAAGTCCCATTCTT 2800  
 V G E L V I E S P G I A R D Y I V P P E K S P F F  
 CACAGACATTCCAAGCTGGTATCCAGGCAACACGTTCCCTGATGGGCAAAGACTCTACAGGACAGGAGATCTTGCAAGAGAT 2880  
 T D I P S W Y P A N T F P D G A K L Y R T G D L A R  
 ATGCCCTCCGATGGGTCCATCGTGTGGGGCATAGAAGTCCGAGGGTCAAGATCCGGGACAGGCTGTTGAGCTGGGT 2960  
 Y A S D G S I V C L G R I D S Q V K I R G Q R V E L G  
 GCCATTGAGACCCATCTCCGACAGCAGATGCCAGACGGACTTGAATTTGGTGTAGAAGCTTACCAAGCGATCCCAAATCTGC 3040  
 A I E T H L R Q Q M P D D L T I V V E A T K R S Q S A  
 CAAAGCACATCCCTTATTGCATTCCCTTAATAGGGTCTTCTACTTCGGAAATAGACCCTCGGATGCCAACATTCTGGACCC 3120  
 N S T S L I A F L I G S S Y F G N R P S D A H I L D  
 ATGATGCTACCAAGCTATCAACATAAAGCTGGAGCAGGTATTGGCTCGACACTCTATCCCCTCATCTACATCTGCATG 3200  
 H D A T K A I N I K L E Q V L P R H S I P S F Y I C M  
 CTGGAGCTTCCACGTTACTGCCACCGGGAAAGATAAGGGGACTACAGAATCATGGCAAAGACATCTTGACAAGGCA 3280  
 L E L P R T A T G K I D R R L R I M G K D I L D K Q  
 GACCCAAAGGGGCCATTGGTCAACAAAGCACCCGGCTCCTATCCCTGTGTTTCGGAGACACAGCAGCAAAGCTCCACAGTATCT 3360  
 T Q G A I V Q Q A P A P I P V F A D T A A K L H S I  
 GGGTAGAGGTTGGGTATCGATCCAGCCACGGTCAATGGTGGCAACTTCTTCGAACTCGGAGGAAGACTCTATCACT 3440  
 W V Q S L G I D P A T V N V G A T F F E L G G N S I T  
 GCTATCAAGATGGTGAACATGGCAGGGTCCCGTTGGTATGGACCTCAAGGTCTAACATCTACGGCACCCGACGCTTGCG 3520  
 A I K M V N M A R S V G M D L K V S N I Y Q H P T L A  
 GGGAAATTTCGGGGTGTCAAGGGTGAATCCCTCTGTCACACTCTCATCCCCAACGTCACACTGAGGGACCTGTTGAGC 3600  
 G I S A V V K G D P L S Y T L I P K S T H E G P V E  
 AGTCTTATTCAAGGCCGACTATGGTTCCTGGATCAGTGGACGTTGGCAGTCTGTGGTATCTGATTCCATATGCTGTG 3680  
 Q S Y S Q G R L W F L D Q I D V G S L W Y L I P V A V

Fig. 1C

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS      SUBCLASS

© 1977 by the American Society for Cell Biology

AGAATGGCGGGCCCTGTCATTGTCGACGGCTTACGTCGGGCTCTTGCAGCGACACGGAGACTTTAGAAC 3760  
 R M R G P V N V D A L R A L A A L E Q R H E T L R T  
 GACATTGAAAGACCGAGATGGTGTCAAAATTGTTCACGGAGAAAGCTTCTGAGGAGATGAAGGCTCATCTCT 3840  
 T F E D Q D G V G V Q I V H E K L S E E M K V I D L  
 GTGGTTAGAACCTTGACCCGTTGAGGTGTTGACCAAGAACAGACTACTCCCTCAATCTCATCTGAAGCTGGCTGG 3920  
 C G S D L D P F E V L N Q E Q T T P F N L S S E A G W  
 AGAGGACGGCTCTTACGGACTTGCTGAAGATGACCCACATCCCTCACTATTGTCATGGCATCACATCATCTCAGATGGTTGGTC 4000  
 R A T L L R L G E D D H I L T I V M H H I I S D G W S  
 ATTGATGTCTTGCAGCGATCTCAATCAGCTCTACTCAGCTGGCTCAAGGGACTCAAAGACCTCAAAGGCCACTCA 4080  
 I D V L R R D L N Q L Y S A A L K D S K D P L S A L  
 CTCCTCTACCTATCCAGTACAGCGACTTGGCAAAGGACCAATTCAAGGGAGAAAGCAACTCAAACACTAC 4160  
 T P L P I Q Y S D F A K W Q K D Q F I E Q E K Q L N Y  
 TGGAAAGCAACTCAAAGACTCTCCAGCAAAGATCCCAGCAGGGACTTGGCCCTGCAACTTCTGGAGGACGCC 4240  
 W K K Q L K D S S P A K I P T D F A R P A L L S G D A  
 AGGTIGCGTACATGTTACCATCGACGGGGAGCTCTACCAGTCCCTCGAGCCTCTGCAACGAAACACAACGACCTCTT 4320  
 G C V H V T I D G E L Y Q S L R A F C N E H N T T S  
 TCGTCGTTCTAGCTGGCTTCCGGTGCCTCATTTATGGCTCATGGCTGTTGAAGACGCTGTCATTGGTACACCAATT 4400  
 F V V L L A A F R A A H Y R L T A V E D A V I G T P I  
 GCGAAATCGCAACCGACCTGAACCTGGAGGATATCATGGCTGGCTCAATACGGCAGTGTATGCAACATAGATCA 4480  
 A N R N R P E L E D I I G C F V N T Q C M R I N I D H  
 TCACGATAACCTTGGACTTTGATCAAACCAAGTCAAGGCTACGACAGGACAGGAGATTTCGAGAACGAGGATATTCCGTTTC 4560  
 H D T F G T L I N Q V K A T T A A F E N E D I P F  
 AGCGCGTTGTTAGCTGAGGACTACAGCCTGGATCCAGAGATCTGGTCAAGGCACACCTCTGGCACAACTCATTGTCAGTGCAC 4640  
 E R V V S A L Q P G S R D L S S T P L A Q L I F A V H  
 TCACAGAAAGGACCTGGAAAGATCAAGTCCAGGGTCTGGAGTCCGGTACCTGTGCGCTAGCAAAGCGTACACTCGATTG 4720  
 S Q K D L G R F K F Q G L E S V P V P S K A Y T R F D  
 CATGGAGTTCACATCTGTTCAAGGAAACCGACAGCCTAAAGGTAGCGTCAACTTTGCCGATGAGCTGTTCAAATGGAGA 4800  
 M E F H L F Q E T D S L K G S V N F A D E L F K M E

Fig. 1D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

三  
一  
Eig.

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

DRAFTSMAN'S SIGNATURE

TGGACGAGCTCTGAACAACTCAGGAGCGTATGTCGTGGATCCTGAGCAACAGCTTGTTGGCATTTGGTGTGATGGGAGAGGC 6000  
 G R A L N N S G A Y V V D P E Q Q L V G I G V M G E  
 TTGTTGTCAGTGGCGATGGTCTTGGCCACTACAGTGACAAGGCCCTTGACCGAGAACCGTTGCACATTACTGTC 6080  
 L V T G D G L A R G Y S D K A L D E N R F V H I T V  
 AATGACCAAGACAGTGAGGGCTATCGCAGTGGCGATCGGACTACAGGATTGGAGATGGGAGATGGCCTCATCGAGTTCTTCGG 6160  
 N D Q T V K A Y R T G D R V R Y R I G D G L I E F F G  
 ACGTATGGACACCCCAGTTCAAGGATTCTGGCAATCGTATCGAATCGCTGAGATTGAAGGGCCCTTCTGGCCGAACTCCT 6240  
 R M D T Q F K I R G N R I E S A E I E A A L L R D S  
 CCGTCGGAGATGGCTGGCTGCTCCCTCAGGAGAATGAGGATCAAGGCCCTGAGATCTGGGGTTGGTGTGCTGATCAT 6320  
 S V R D A A V V L Q Q N E D Q A P E I L G F V V A D H  
 GATCATTTCTGAGAATGACAAGGGACAATTCTGCCAATCAAGTCCAGGATGGCAAGGGATGGCAAGGACCATTTCGAGAGTGGCAGTGTATTIC 6400  
 D H S E N D K G Q S A N Q V E G W Q D H F E S G M Y S  
 CGACATTGGCCAAATTGACCCCCGTCGACCGATTGGTAGGGACTTCAAGGGTTGGACATCAATGTAATGATGGAAGTCAAATCG 6480  
 D I G E I D P S T I G S D F K G W T S M Y D G S Q I  
 ACTTCGATGAGATGCACCGAGTGGCTTGGTGAGACTACCCGGACACTCCATGACAATCGCTCTAGGCAATGTCCTTGAA 6560  
 D F D E M H E W L G E T T R T L H D N R S L G N V L E  
 ATTGGAAACAGGTAGCGGCATGATCCTCTCAACCTTGACAGCGGGCTTGAGAGTTACGGTTGGCTTGAACCCATCCAGATC 6640  
 I G T G S G M I L F N L D S R L E S Y V G L E P S R S  
 AGCAGCTGCATTGTCACAAAGCTACCGAGTCTATAACCATCGCTTGCTGGAAAAGCCAAGGGTTCAAGGTTGGAACACAGCTA 6720  
 A A A F V N K A T E S I P S L A G K A V Q V G T A  
 CAGATATTGGTCAAGTCGATGACTTACACCCCTGACCTCGGGTTCTCAACTCAGTCATTCACTCAGTATTCCCGTCTTCGGAG 6800  
 T D I G Q V D D L H P D L V V L N S V I Q Y F P S S E  
 TACCTTGCGAGAAATCGCAGACACCTTGATTCACTGCCTAACGTTGAGGGATTTCCTGGCGATGTCGGATCGCAGGGC 6880  
 Y L A E I A D T L I H L P N V Q R I F F G D V R S Q A  
 CACCAACGAGCACTTCCCTGGCCAGGGCTATCCACACACTGGGAAAGAACGATGCAACAGGAGCGATGTTGACAGAAAA 6960  
 T N E H F L A A R A I H T L G K N A T K D D V R Q K  
 TGGCAGAAATTGGAGGACATGGAGGAGGTGGCTTGCCTGCCTTCAACCTCGTTGAAAGACAGGTTTCCAGGT 7040  
 M A E L E D M E E E L L V E P A F F T S L K D R F P G  
 CTGGTGGAACATGTTGAGATCCCTGGCAAAGAACATGGAAAGCTGATGTCAGTGGCTATCGATATGCCGCTGTTGGT 7120  
 L V E H V E I L P K N M E A V N E L S A Y R Y A A V V

Fig. 1F

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

FIGURE G - GENETIC MAP

GCACGTTCGGGTTCACTTGGAGATGAGCTTGTGCTTCGGTTGAGAAAGGATGACTGGATCGACTTCAGCGAATCAAT 7200  
 H V R G S L G D E L V L P V E K D D W I D F Q A N Q  
 TGAACCGAAGTCACGGGTGACCTTCAGTCTCAAGTCTTCAGATGCTGCTATGGCAGTCAGCAAATTCCCTTCGAAATC 7280  
 L N Q K S L G D L L K S S D A A I M A V S K I P F E I  
 ACGGCCCTTGAAAGACAAGGTGGCTCGCTCCCTCAATAAGCAACATCGATGAGTGGCAGGCTATAACCATTCCAGCGC 7360  
 T A F E R Q V V A S L N S N I D E W Q L S T I R S S A  
 CGAGGGCGACTCATCACTATCCGTTCCCGACATCTCGCATTGCTGGGGAAAGCCGGTTCCGGTGGAGGTCTAGTTCTG 7440  
 E G D S S L S V P D I F R I A G E A G F R V E V S S  
 CACGACAGTGGTCTCAGAATGGTGCATTGGACGGCTGTTCCATCATGGCTCCCAAGGGCGTACTCTGGTCAACTTT 7520  
 A R Q W S Q N G A L D A V F H H C C S Q G R T L V N F  
 CCTACGGACCATCACCTTCAGGGTCTGATCTCCTCACCAATCGAACCCCTCAGCGGACTTGCAAACCGCTGTATGCCAT 7600  
 P T D H H L R G S D L L T N R P L Q R L Q N R R I A I  
 CGAAGTCCGGAGAGGGCTCGGTCCTTACTTCCATCGTACATCGAACATCGTGTGTTCTGGACAAGGATGCCCTC 7680  
 E V R E R L R S L L P S Y M I P S N I P V L D K M P  
 TCAACGCCAATGGTAAAGGTAAGGAAACTCTCGAGGGCAAAGGGTACCGAACGGTGTACCCGAAGGCAGACAGCGCCG 7760  
 L N A N G K V D R K E L S R R A K V V P K Q Q T A A P  
 TTACCGACATTCCCATCAGTGAGGTCCAAGTCATTCTTGCGAGGAAGCCACTGAGGTGTGTTGGCATGAAGGGTTGACAT 7840  
 L P T F P I S E V I L C E E A T E V F G M K V D I  
 TACCGATCACCTCTCAATCTGGAGACACTCTCTGGCCACGAAGGCTCATTTCGTTCTCGTATCGACCAACGACTCAAGG 7920  
 T D H F F N L G H S L L A T K L I S R I D Q R L K  
 TCCGGTATCACGTCAAGGATGTTGACCATCTGTATTTGCGGATCTAGCATCTGTCAATCCGTCAAGGGCTGGGTTTG 8000  
 V R I T V K D V F D H P V F A D L A S V I R Q G L G L  
 CAACAACCCGTTCTGATGGTCAGGGACAAGACAGATCTGCCACATGGCACCCCCGTACCGAGACTGAAGCTATACTCTG 8080  
 Q Q P V S D G Q D R S A H M A P R T E T E A I L C  
 TGATGAGTTGCAAAGGTTCTGGGTTCCAAGTGGGATTAACAGACAATTCTGTGATCTGGTGGTCATTCACTCATGG 8160  
 D E F A K V L G F Q V G I T D N F F D L G G H S L M  
 CTACTAAACTCGCTGTGGCATCGGACATCGGACTTGACCGACTTGACATCGGACTTCGATGTTTCGATCATCCCTGTACTC 8240  
 A T K L A V R I G H R L D T T V S V K D V F D H P V L  
 TTCCAACATTGCAATTGCAATTGGATAACTTGGTTCAATCCAAGACCAATGGGTTAGAGATACTGGAGGTTAGAGAAATGGCTGAATA 8320  
 F Q L A I A L D N L V Q S K T N E I V G G R E M A E Y

Fig. 1G

APPROVED BY RAFTSMAN	O.G. FIG.
	CLASS      SUBCLASS

© CIEPTC\* STAMM

CTCACCTTCAACTCCTTACAGAAGACCCAGAGGAGTTATGGCGAGCATCAAGCCACAACATTGAGTTACAGG 8400  
 S P F Q L L F T E D P E E F M A S E I K P Q L E L Q  
 AAATCATTCAAGACATATATCCGTCTACCCAGATGCAGAAGGCTTCTCCTCTTCGATCACACAACACTGCGGCCGAGACCT 8480  
 E I I Q D I Y P S T Q M Q K A F L F D H T T A R P R P  
 TTCGTTGCCGTCTACATCGACTTCCCAGGCACTTCCGAGGCTTGATGCTGCAGGTCTAATCAAGGCTTGGAGTCTCTGGT 8560  
 F V P F Y I D F P S T S E P D A A G L I K A C E S L V  
 AAATCATCTTGACATCTTCAGAACAGTCTTGAGGAGGCAACTATACCAACTGTTGCTCTGTCTTGATC 8640  
 N H L D I F R T V F A E A S G E L Y Q V V L S C L D  
 TGCCAATCCAAGTGTATTGAGACAGAACATCAATAACGGCGACAAATGAGTTTCTCGATGAGTTTGCAGAAAGGCCA 8720  
 L P I Q V I E T E D N I N T A T N E F L D E F A K E P  
 GTTCCGTCTGGGACATCCGGTTGATTCGTTTACATCAACAAACAAACGTCGATGGCTGATAATGAGAATATCGCA 8800  
 V R L G H P L I R F T I I K Q T K S M R V I M R I S H  
 TGCCCTGTATGATGGTCTGAGTCTAGACCATTGCTGTGGCAAACCTCACATGCTCTACAACGGGAGATCACTTTGCCAC 8880  
 A L Y D G L S L E H V V R K L H M L Y N G R S L L P  
 CACACCAATTCTCGGGTACATGGCAGTATACTGGCTGACGGTCTGGAAAAGTGGACATGGATTGGCTGGCGATGTGATTCAA 8960  
 P H Q F S R Y M Q Y T A D G R E S G H G F W R D V I Q  
 AATAAGCCCCATGACAATTATTGAGTGTGATGACACGGTTGTTGATGGAAATGATGGCAACCTGGCAAGGGGTGACCTATCAA 9040  
 N T P M T I L S D D T V V D G N D A T C K A L H L S K  
 GATTGTCAATTTCCTTCACAGGTACTTCGAGGGCAGTAACATCATTACTCAAGGTTACTGTGTTAACGGCAGGCTGGG 9120  
 I V N I P S Q V L R G S S N I I T Q A T V F N A A C  
 CGTTAGTCTTGTCACTGGGAATCTGACTCGAAAGACGTTGCTCTGGACGCATCGTCTCTGGCTGTCAGGCTTGCCTGTT 9200  
 A L V L S R E S D S K D V V F G R I V S G R Q G L P V  
 GAATACCCAGGACATTGTCTGGGCCTTGTACCAACGGCAGTTCCCTGTCAGATTACAAACCAATT 9280  
 E Y Q D I V G P C T N A V P V R A H I E S S D Y N Q L  
 GCTGCACGACATCCAAGGACCTTCTCAGGTTCTCAGGTTCTCAGATCTCAAGGGCAACTGTAA 9360  
 L H D I Q D Q Y L L P H E T I G F S D L K R N C  
 CAGATTTGGCCAGAAGGAATCACCAACTTCTCATGCTGCATCACATACCACAAATTGGAGTACCATCCCGAGAGTCAGTTC 9440  
 T D W P E A I T N F S C C I T Y H N F E Y H P E S Q F  
 GAACAGGCAAGAGGTGAGATGGGTATGACAAAGTTGTCAACATTGAGATGGATGGCTGATTTGGCGAT 9520  
 E Q Q R V E M G V L T K F V N I E M D E P L Y D L A I

Fig. 1H

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

TCGGGGTGAAGCTAACAGACGGGACTGAAGGTTACTGTTATCGCCAAAGACGCCAGTATTGGAGAGAGAG 9600  
 A G E V E P D G A G L K V T V I A K T Q L F G R K R 9680  
 TAGAACATCTGGAGGAAGTTCCAAAACGTTCAACTCTCTGGGTCTCAACTCTTCAGGTTGGTCTCAATCG  
 V E H L L E V S K T F E V S L .  
 TCGGGACAGAACAAACCGATGTAGGTTGTAATTCTTAATGACGTCCTTGACTTTGACTTTCAGAACTTCA  
 GTAAAGCAGAACACTGGCAAATGTCAGATAATTACACTTCAGAACTTCAACTCTGGGTCTCAACTCTTCAG  
 CATGCTTGCTACGTTCGATCGAGTCAGTCAAAATTGAGATCTACAGGGTAACGCAGGAATCCAGAACAA  
 TCGATCGAACACTATGATTGGTTCGCGTCTCTGACAGGACCATTTGCCAATAATTAGAAAGTATAAGATA  
 AATGCCGACAAGGATTGGAACTATCCGAGTCAAGTCAGCTAGTCCCTAAACAGTAAATAGCTCGGCTTCT  
 CTTTGGTGTATGAAATTATCATAGTTGTTGATGAAATTAGAAACAATTACCTTGACAATATTGTGTTCCA  
 ATAAAGGTATGACTCTTGATATGATCAACATCAACACAACTGGATCTGTCCCAACAAAGTGCCTACCT  
 ACGGGACACTCYTTCACATGGATCTGGTCAAGTGGCTTACAGGACATGGCTTACAGGCGATGGCT  
 CGAAGTCAGATCTGGCACCTGTTCCAACACCTGGTCAAGGAGGTTAGTCCGATTAAAGAAGGGATAG  
 TCGACCGGAGTGAAGCAGTCCATGGTAACATGATTGTAATGGCTCAAGTGGCTTACAGGCGATGGCT  
 GGGGAGGTCATCAAGACGGGACCTGGTGTAGTCCGATTAAAGAAGGGATAGGTTGTTGCTACAGGCAT  
 CAAGCGAGGAAGGAAGTCCCCGACGGAGGGCATTCAAGAAGGTTGCAATTCAAGGCACTGGGCT  
 AGGGTGTACGGTCCACGGATGCCAGGTTGGCTTGCACCTGACTTGCATGTGGCTGCTGGCAT  
 CTGGCACTACACTACCTCAAACCAAGTCAAAGGCCAGTGGCTGCTGGGGCTATGATGTTGGCT  
 TGTGGGAGAAATGCTGTACAGCTGGCTGCTGGGGCTATGATGTTGGCTGCTGGCAT  
 AGGGTGTACGGTCCACGGTCTGGCTTGCACCTGACTTGCATGTGGCTGCTGGCAT  
 CTGGCACTACACTACCTCAAACCAAGTCAAAGGCCAGTGGCTGCTGGGGCTATGATGTTGGCT  
 TCGTAGCGGGTCTGGGCTTGTGCAGTCTGACTTCAAGGCTCATCGCTTGCATGTGGCT  
 GACAAGAAATGGCCAGGTGCTAGCTGGCAAGGGTCAAGGTTGCTAGCTGGGAAAT  
 AGCCACCAAGAATGTTGCCAAGTTACCCCTCTCAATGCCCTGAGTCACAGCC  
 TCGCAAAAGCTAACAGTCAGTCAAGGAACTGATCGACTCAAGGCTTGGGAAACT  
 ACAGACATAAT 112120

Fig. 1

PROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
AFTSMAN		

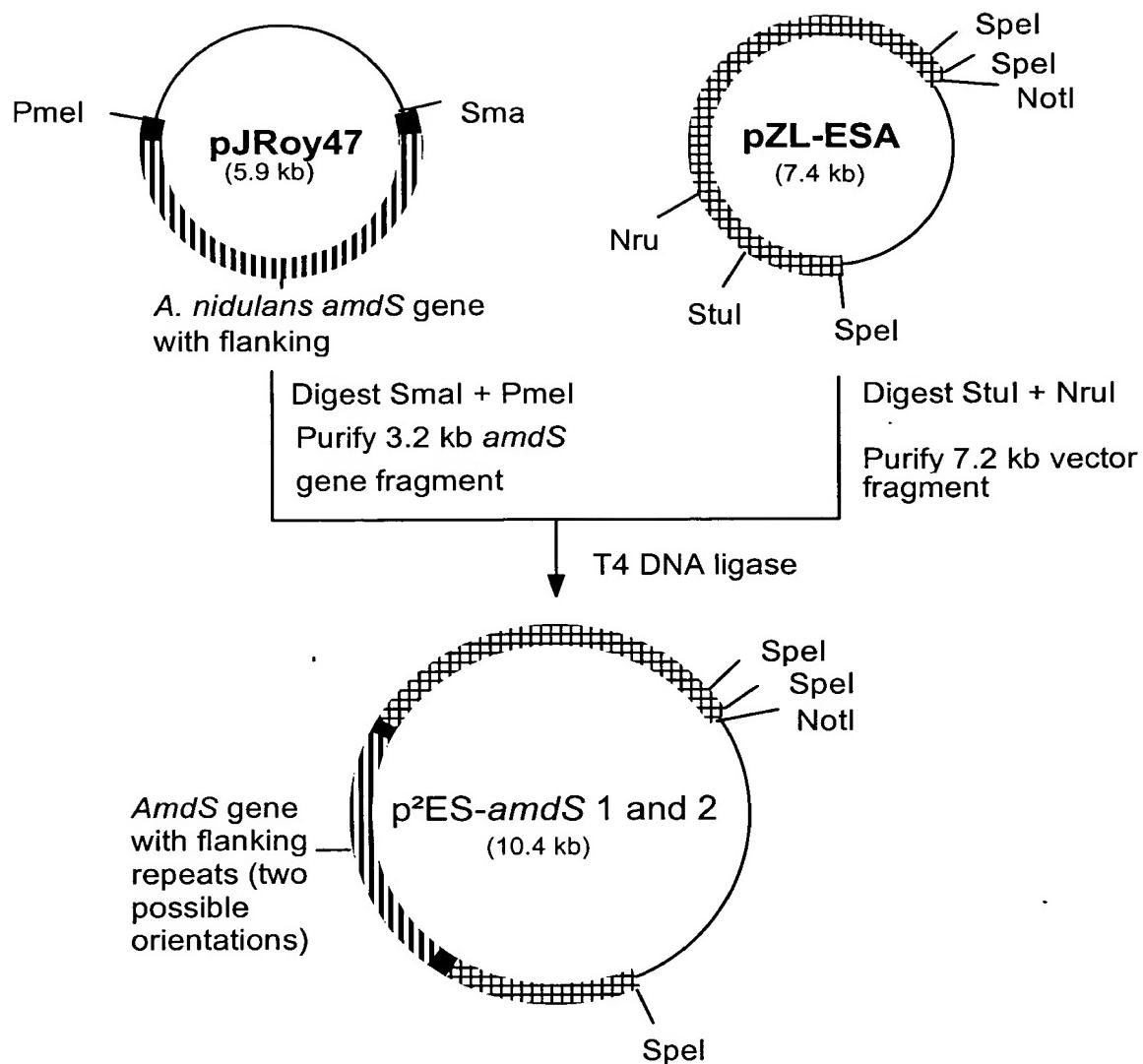


Fig. 2